

Amendments to the Claims:

1 - 8. (Cancelled)

9. (Currently Amended) A printed circuit board for being connected with an inkjet head having a surface on which a plurality of head terminals are arranged, the printed circuit board comprising:

an insulating member; and

a plurality of lands and a plurality of conductive wires provided on the insulating member, each land being connected to a corresponding conductive wire, the plurality of lands being arranged on the insulating member at locations in one-to-one correspondence ~~with a~~ with the plurality of head terminals provided ~~on an~~ on the inkjet head, the insulating member being formed with a plurality of through-holes each for exposing a portion of a corresponding land, the lands facing through the through-holes to the head terminals on the inkjet head, the through-hole on each land receiving a conductive brazing material placed therein, the conductive brazing material being melted to connect and fix each land to the corresponding head terminal.

10. (Original) The printed circuit board as claimed in claim 9, wherein the plurality of lands are arranged in a staggered manner on the insulating member, and the conductive wires are formed on the insulating member at locations between the lands.

11. (Original) The printed circuit board as claimed in claim 9, wherein each head terminal is provided with a portion retaining a portion of the brazing material thereon to prevent the brazing material from contacting another head terminal next to the subject head terminal.

12. (Original) The printed circuit board as claimed in claim 9, wherein the insulating member includes a flexible belt-shaped insulating sheet having first and second surfaces opposite to each other,

wherein the plurality of lands and the plurality of conductive wires are provided on the first surface of the flexible belt-shaped insulating sheet, and

wherein each through-hole is formed through the flexible belt-shaped insulating sheet at a location for exposing the portion of the corresponding land on the second surface, the second surface of the flexible belt-shaped insulating sheet facing toward the inkjet head in such a state that the portion of each land exposed through the corresponding through-hole in the flexible belt-shaped insulating sheet confronts the corresponding head terminal on the inkjet head.

13. (Withdrawn) The printed circuit board as claimed in claim 9, further comprising a flexible belt-shaped insulating sheet having first and second surfaces opposite to each other,

wherein the plurality of lands and the plurality of conductive wires are provided on the second surface of the flexible belt-shaped insulating sheet,

wherein the insulating member includes an insulating film covering the plurality of lands and the plurality of conductive wires on the second surface, each through-hole penetrating through the insulating film at a location exposing the portion of the corresponding land, the insulating film on the second surface of the flexible belt-shaped insulating sheet facing toward the inkjet head in such a state that the portion of each land exposed through the corresponding through-hole in the insulating film confronts the corresponding head terminal on the inkjet head.

14. (Currently Amended) A connecting structure of a flexible printed circuit board for connecting an inkjet head to a circuit board, the inkjet head having a plurality of channels and a surface on which a plurality of head terminals is provided in correspondence with the plurality of channels, the circuit board generating control signals for applying drive voltages to the head terminals, thereby causing the channels to eject ink, the connecting structure comprising:

a flexible belt-shaped insulating member having one surface and another surface opposite to each other, the one surface confronting ~~a surface of an~~ the surface of the inkjet head on ~~which a~~ which the plurality of head terminals is provided;

a plurality of lands made of a conductive material and formed on the another surface of the insulating member at positions corresponding to the plurality of head terminals on the inkjet head, a plurality of through-holes being formed through the insulating member at positions corresponding to the lands for exposing a portion of each of the plurality of lands on the one surface of the insulating member;

a plurality of conducting wires formed on the another surface of the insulating member and individually connected to respective ones of the plurality of lands, the conductive wires supplying control signals from a circuit board to the lands; and

a conductive brazing material provided in each of the through-holes and electrically connecting the corresponding one of the lands to the corresponding head terminal.

15. (Original) The connecting structure of a flexible printed circuit board as claimed in claim 14, wherein the plurality of lands are arranged on the another surface of the insulating member in a staggered manner, and the conducting

wires are formed on the another surface of the insulating member at locations between the lands.

16. (Original) The connecting structure of a flexible printed circuit board as claimed in claim 14, wherein each of the head terminals is provided with a portion retaining the brazing material thereon to prevent the brazing material from contacting another head terminal next to the subject head terminal.

17. (Withdrawn) A connecting structure of a flexible printed circuit board for connecting an inkjet head to a circuit board, the inkjet head having a plurality of channels and a surface on which a plurality of head terminals is provided in correspondence with the plurality of channels, the circuit board generating control signals for applying drive voltages to the head terminals, thereby causing the channels to eject ink, the connecting structure comprising:

- a flexible belt-shaped insulating member having one surface, the one surface confronting a surface of an inkjet head on which a plurality of head terminals is provided;

- a plurality of lands made of a conductive material and formed on the one surface of the insulating member at positions corresponding to the plurality of head terminals on the inkjet head;

- a plurality of conducting wires formed on the one surface of the insulating member and individually connected to respective ones of the plurality of lands, the conductive wires supplying control signals from a circuit board to the lands;

- an insulating film covering the plurality of lands and the plurality of conductive wires on the one surface of the insulating member, the insulating film having a plurality of

through-holes for exposing at least a portion of each of the plurality of lands; and

a conductive brazing material provided in each of the through-holes and electrically connecting the corresponding one of the lands to the corresponding head terminal.

18. (Withdrawn) The connecting structure of a flexible printed circuit board as claimed in claim 17, wherein the plurality of lands is arranged on the one surface of the insulating member in a staggered manner, and the conducting wires are formed on the one surface of the insulating member at locations between the lands.

19. (Withdrawn) The connecting structure of a flexible printed circuit board as claimed in claim 17, wherein each of the head terminals is provided with a portion retaining the brazing material thereon to prevent the brazing material from contacting another head terminal next to the subject head terminal.

20. (Original) An inkjet head unit comprising:

an inkjet head having a surface on which a plurality of head terminals are formed; and

a flexible printed circuit board connecting the inkjet head to a control circuit board generating a control signal to control the inkjet head, the flexible printed circuit board comprising:

a flexible insulating circuit substrate having one surface and another surface opposite to each other, the one surface confronting the surface of the inkjet head provided with the plurality of head terminals;

a plurality of lands made of a conductive material and formed on the another surface of the circuit substrate at positions corresponding to the plurality of head terminals on

the inkjet head, a plurality of through-holes being formed through the circuit substrate at positions corresponding to the plurality of the lands, each of the plurality of through-holes exposing a part of the corresponding one of the plurality of lands on the one surface of the circuit substrate; and

a plurality of conductive wires formed on the another surface of the circuit substrate, each of the plurality of conductive wires electrically connecting one of the plurality of lands to the circuit board, the conductive wires supplying the control signals from the control circuit board to the lands; wherein

the plurality of the lands is connected and fixed individually to respective ones of the plurality of head terminals by a conductive brazing material placed in the corresponding one of the plurality of through-holes.

21. (Original) The inkjet head unit as claimed in claim 20, wherein each of the head terminals is provided with a portion retaining the brazing material thereon to prevent the brazing material from contacting another head terminal next to the subject head terminal.

22. (Withdrawn) An inkjet head unit comprising:

an inkjet head having a surface on which a plurality of head terminals are formed; and

a flexible printed circuit board connecting the inkjet head to a control circuit board generating a control signal to control the inkjet head, the flexible printed circuit board comprising:

a flexible insulating circuit substrate having a surface confronting a surface of the inkjet head on which a plurality of head terminals is provided;

a plurality of lands made of a conductive material and formed on the one surface of the circuit substrate at positions corresponding to the plurality of head terminals on the inkjet head;

a plurality of conductive wires formed on the one surface of the circuit substrate, each of the plurality of conductive wires electrically connecting one of the plurality of lands to the circuit board, the conductive wires supplying the control signals from the control circuit board to the lands; and

an electrically insulating film covering the plurality of lands and the plurality of conductive wires on the one surface of the circuit substrate, the electrically insulating film having a plurality of through-holes exposing a part of each of the plurality of lands; wherein

the plurality of the lands are connected and fixed individually to respective ones of the plurality of head terminals on the inkjet head by a conductive brazing material placed in the corresponding one of the plurality of through-holes.

23. (Withdrawn) The inkjet head unit as claimed in claim 22, wherein each of the head terminals is provided with a portion retaining the brazing material thereon to prevent the brazing material from contacting another head terminal next to the subject head terminal.

24. (Currently Amended) A printed circuit board for connecting an inkjet head to a control unit, the inkjet head having a surface provided with a plurality of head terminals thereon, the control unit generating signals to control the inkjet head, the printed circuit board comprising:

a flexible insulating substrate having a first surface and a second surface opposite to each other, the first surface

confronting ~~a surface of an~~ the surface of the inkjet head provided with ~~a~~ with the plurality of head terminals;

a plurality of conductive lands formed on the second surface of the insulating substrate at positions corresponding to the plurality of head terminals on the inkjet head, a plurality of through-holes being formed through the insulating substrate at positions corresponding to the lands for exposing a portion of each of the plurality of lands on the first surface of the insulating substrate, the plurality of through-holes receiving a brazing material therein; and

a plurality of conducting paths formed on the second surface of the insulating substrate and individually connected to respective ones of the plurality of lands, the conductive paths transferring controlling signals from the control unit to the lands.

25. (Withdrawn) A printed circuit board for connecting an inkjet head to a control unit, the inkjet head having a surface provided with a plurality of head terminals thereon, the control unit generating signals to control the inkjet head, the printed circuit board comprising:

a flexible insulating substrate having a surface confronting a surface of the inkjet head provided with a plurality of head terminals;

a plurality of conductive lands formed on the surface of the insulating substrate at positions corresponding to the plurality of head terminals on the inkjet head; and

a plurality of conducting paths formed on the surface of the insulating substrate and individually connected to respective ones of the plurality of lands, the conductive paths transferring signals from a control unit to the lands; and

an insulating film covering the plurality of lands and the plurality of conductive wires on the surface of the



insulating substrate, the insulating film having a plurality of through-holes for exposing a part of each of the plurality of lands, the plurality of through-holes receiving a conductive brazing material therein.

26. (New) The printed circuit board as claimed in claim 11, wherein the retaining portion is made of metal and extends from the corresponding head terminal to retain thereon the portion of the brazing material.

27. (New) The connecting structure as claimed in claim 16, wherein the retaining portion is made of metal and extends from the corresponding head terminal to retain thereon the portion of the brazing material.

28. (New) The connecting structure as claimed in claim 19, wherein the retaining portion is made of metal and extends from the corresponding head terminal to retain thereon the portion of the brazing material.

29. (New) The inkjet head unit as claimed in claim 21, wherein the retaining portion is made of metal and extends from the corresponding head terminal to retain thereon the portion of the brazing material.

30. (New) The inkjet head unit as claimed in claim 23, wherein the retaining portion is made of metal and extends from the corresponding head terminal to retain thereon the portion of the brazing material.